

ABSTRACT OF THE DISCLOSURE

A pressure swing adsorption system including a pressure vessel having an opening and a valve manifold including a body having a first cavity fluidly connected to the opening. The body further includes a passage and a channel, such that the passage connects the channel to the cavity. The valve manifold further includes a valve provided within the passage. The valve is configured to selectively permit and restrict flow between the channel and the cavity via the passage.

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